Contents of Previous Volumes

Volume 9

The Dopamine System of the Teleost Fish Retina
K. NEGISHI, T. TERANISHI and S. KATO

The Mosaic of Amacrine Cells in the Mammalian Retina
D. I. VANEY

Agonist-stimulated Inositol Phospholipid Hydrolysis in the Mammalian Retina
N. N. OSBORNE and H. GHAZI

Ontogeny of Retinal Pigment Epithelium — Photoreceptor Complex and Development of Rhythmic Metabolism under Ambient Light Conditions
Y. W. KUNZ

Towards the Identification of Genes in X-Linked Retinitis Pigmentosa
A. F. WRIGHT

Retinal Transplants
M. DEL CERRO

New Views of Primate Retinal Function
E. KAPLAN, B. B. LEE and R. M. SHAPLEY

The Photoreceptor Output Synapse
D. ATTWELL

Enzymes and Proteins of the Mammalian Visual Cycle
J. C. SAARI

Functional Aspects of Retinal Ganglion Cell Gangliosides
B. L. CAPUTTO

Cell Types Using Glutamate as a Neurotransmitter in the Vertebrate Retina
S. C. MASSEY

The Physiological Basis of the Pattern Electroretinogram
E. ZRENNER

Volume 8

Cell-Specific Monoclonal Antibodies: Probes for Studying Retinal Organisation and Development
K. R. FRY and D. M.-K. LAM

The Cytoskeleton of Retinal Pigment Epithelial Cells
K. OWARIBE

S-Antigen: Structure, Function and Experimental Autoimmune Uveitis (EAU)
T. SHINOHARA, L. DONOSO, M. TSUDA, K. YAMAKI and V. K. SINGH

The Role of Glycine in the Mammalian Retina
R. E. MARC

Biochemistry and Localization of Somatostatin in the Retina
T. YAMADA

Role of Melatonin in Retina
M. L. DUBOCOVICH

Electrophysiology of Retinal Glial Cells
E. A. NEWMAN

Monoclonal Antibodies to Rhodopsin and Other Proteins of Rod Outer Segments
R. S. MOLDAY

Phosphoinositides in the Retina
R. E. ANDERSON and J. E. BROWN

Phototransduction in the Microvillar Visual Cell of Limulus: Electrophysiology and Biochemistry
U. W. BECKER, J. H. NUSKE and H. STIEVE

Signal Transmission from Rods to Bipolar and Horizontal Cells: a Synthesis
G. FALK

Volume 7

The Origins of the Cells of Vertebrate Retina
J. STONE

Regulation of Rhythmic Photoreceptor Metabolism: A Role for Postreceptoral Neurons
J. C. BESHARSE, P. M. IUVONE and M. E. PIERCE

The Primary Structure, Chemistry and Molecular Modelling of Rhodopsin
J. B. C. FINDLAY, D. J. C. PAPPIN and E. E. ELIOPOULOS

The Molecular Genetics of Photoreceptor Cells
J. D. FALK and M. L. APPLEBURY

Morphology and Distribution of Catecholamine-neurons in Mammalian Retina
J. NGUYEN-LEGROS

Neuron Network in Catfish Retina: 1968 – 1987
H. M. SAKAI and K.-I. NAKA

Astrocytes in Mammalian Retina
J. SCHNITZER

Growth Control in the Retinal Microvasculature
P. A. D'AMORE, A. ORLIDGE and I. M. HERMAN

Gliosis of the Mammalian Retina: Migration and Proliferation of Retinal Glia
L. M. HJELMELAND and A. K. HARVEY

Volume 6

The Differentiation of Retinal Photoreceptors and Neurons *in vitro*
R. ADLER

Tissue Culture of Chorioretinal Biopsies
F. M. VAN BOCKXMEER, C. E. MARTIN, D. E. THOMPSON and I. J. CONSTABLE

Retinal Neurons: Their Separation and Characterization
P. V. SARTHY

GABA — Its Role and Development in Retina
D. A. REDBURN and P. MADTES JR.

Intracellular Staining of Retinal Neurones: Applications to Studies of Functional Organization
M. B. A. DJAMGOZ and H.-J. WAGNER

Transducin: Structure, Function and Role in Phototransduction
B. K.-K. FUNG

Clinical, Biochemical, and Therapeutic Aspects of Gyrate Atrophy
M. I. KAISER-KUPFER and D. L. VALLE

Making Decisions in Ophthalmology
A. R. HILL

Behavior of Human Retinoblastoma Cells in Tissue Culture
A. P. KYRITSIS, M. TSOKOS and G. J. CHADER

Volume 5

GABAergic Mechanisms in the Retina
S. YAZULLA

Retinal Senescence
R. A. WEALE

Retinal Specific Antigens and Immunopathogenic Processes They Provoke
I. GERY, M. MOCHIZUKI and R. B. NUSSENBLATT

The S-Potential: S for Svaetichin, S for Space
M. LAUFER and B. DRUJAN

Membrane Properties of Solitary Retinal Cells
A. KANEKO and M. TACHIBANA

Horizontal Cells: Historical Controversies and New Interest
M. PICCOLINO

Comparative Studies on Horizontal Cells and a Note on Microglial Cells
A. GALLEGO

Current Concepts on the Role of Taurine in the Retina
H. PASANTES-MORALES

The Genetics and Immunology of Retinoblastoma
J. R. LUBIN and D. M. ALBERT

Plasticity of the Retinal Vasculature
M. S. BURNS, R. W. BELLHORN, G. E. KORTE and W. J. HERIOT

The Arachidonic Acid Cascade and Phospholipid and Docosahexaenoic Acid Metabolism in the Retina
D. L. BIRKLE and N. G. BAZAN

Volume 4

Transmitter Action at Cat Retinal Ganglion Cells
H. IKEDA

Retinal Pigment Epithelial Cell Contributions to the Electroretinogram and Electroculogram
R. H. STEINBERG, R. A. LINSENMEIER and E. R. GRIFF

Hyperacuity: A Promising Means of Evaluating Vision Through Cataract
J. M.M ENOCH, R. A. WILLIAMS, E. A. ESSOCK and M. FENDICK
Vitreous Fluorophotometry
J. G. CUNHA-VAZ

Role of Intracellular Messengers in Signal Transduction in Retinal Rods
J. I. KORENBROT

Immunochemistry of Rhodopsin
W. J. DE GRIP

Neuron – Glia Interaction in the Brain and Retina
H. RIPPS and P. WITKOVSKY

Enkephalins in the Vertebrate Retina
C. B. WATT, Y.-Y. T. SU and D. M.-K. LAM

New Perspectives in Retinal Organisation
A. HUGHES

Volume 3

Morphological Studies on the Development of the Retina
K. MELLER

Neural Architecture of the Cat Retina
H. KOLB and R. NELSON

Indoleamines in the Eye with Special Reference to the Serotonergic Neurones of the Retina
N. N. OSBORNE

Axonal Transport in Retinal Ganglion Cells
J.-O. KARLSSON

Interactions Between Photoexcited Rhodopsin and Light-Activated Enzymes in Rods
H. KÜHN

Phosphodiesterase Activation in Rod Outer Segments
A. KNOWLES

Identification and Localization of Biologically Active Peptides in the Vertebrate Retina
N. C. BRECHA, W. ELDRED, R. O. KULJIS and H. J. KARTEN

Color Vision
P. GOURAS

Visual Adaptation and Retinal Gain Controls
R. SHAPLEY and C. ENROTH-CUGELL

Volume 2

The Retinal Image in the Human Eye
W. N. CHARMAN

The Use of Tissue Culture Techniques to Study Normal Diseased Retinal Pigment Epithelium
R. B. EDWARDS

Retinomotor Movements of Photoreceptors and Retinal Pigment Epithelium Mechanisms and Regulation
B. BURNSIDE and B. NAGLE

On Glutamine Synthetase, Carbonic Anhydrase and Müller Glia in the Retina
A. A. MOSCONA

Transport, Utilization and Metabolism of Visual Cycle Retinoids in the Retina and Pigment Epithelium
C. D. B. BRIDGES, S.-L. FONG, G. I. LIOU, R. A. ALVAREZ and R. A. LANDERS

Interphotoreceptor Retinol-Binding Protein: A Possible Role in Retinoid Transport to the Retina
G. J. CHADER, B. WIGGERT, Y.-L. LAI, L. LEE and R. T. FLETCHER

Cholinergic Mechanisms in the Vertebrate Retina
M. J. NEAL

Functional Role of Dopamine in the Retina
B. EHINGER

Metabolism and Permeability in Retinal Rods
M. CAPOVILLA, A. CARETTA, A. CAVAGGIONI, L. CERVETTO and R. T. SORBI

Kainic Acid as a Tool in Retinal Research
I. G. MORGAN

Receptive Fields of Cat Ganglion Cells: Classification and Construction
W. R. LEVICK and L. N. THIBOS

Volume 1

Rhodopsin Chemistry, Structure and Topography
P. A. HARGRAVE

The Ganglion Cell Layer of the Mammalian Retina
V. H. PERRY

The Daily Light – Dark Cycle and Rhythmic Metabolism in the Photoreceptor-Pigment Epithelial Complex
J. C. BESHARSE

Morphological Types and Central Projections of Ganglion Cells in the Cat Retina
H. WÄSSLE

Magnetic Resonance Studies of Vertebrate Rod Outer Segments
A. WATTS

Electrophysiology of the Avian Retina
A. L. HOLDEN

The Structural Organization of the Pigeon Retina
B. P. HAYES

Biochemistry of the Cyclic Nucleotide-Related Enzymes in Rod Photoreceptors
P. J. STEIN, M. M. RASENICK and M. W. BITENSKY